

STORM WATER

Results for 2002

This program monitors point source discharges of storm water from Department of Energy facilities to waters of the U.S. as required under the Environmental Protection Agency National Pollutant Discharge Elimination System (NPDES). The program covers parameters in storm water listed in the "Final Modification of the NPDES Storm Water Multi-Sector General Permit for Industrial Activities." The INEEL implemented the analytical monitoring requirements of the 1998 General Permit starting January 1, 1999. The General Permit was reissued in October 2000, and the INEEL gained coverage under this permit in January of 2001. The General Permit requires quarterly analytical monitoring only during the 2nd and 4th years of the permit, and only when a qualifying storm has occurred. A qualifying storm is a rain storm that has accumulated at least 0.25 cm (0.1 in.) of precipitation preceded by at least 72 hours without measurable precipitation (<0.25 cm [<0.1 in.]) to allow pollutants to build up then be flushed from the drainage basin. The second permit year runs from October 2001 – September 2002. This section addresses only the period from January 2002 through December 2002.

During 2002, two storm water points were routinely monitored for nonradiological parameters at the Radioactive Waste Management Complex. Information regarding permit limits and location-specific parameters can be found in the 2002 Annual Site Environmental Reports on our Web site at <http://cleanup.inel.gov/monitoring>.

QUICK FACTS

2 storm water analytical monitoring points

- 1 INEEL site area
- 30 storm water samples were collected
- Regulations: National Pollutant Discharge Elimination System (NPDES)

FOR MORE INFORMATION

Visit our Web site at:

<http://cleanup.inel.gov/monitoring>

Read the 2002 Annual Site Environmental Report available in DOE Public Reading Rooms or at our Web site.

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RESULTS SUMMARY

Radioactive Waste Management Complex (RWMC)

1. Runoff from RWMC Operations Area (RWMC-MP-1/2):
 - Storm water Description: Runoff from a paved area with office buildings and equipment storage.
 - Type of Monitoring: NPDES benchmark monitoring.
 - 2002 Results: Concentrations of chemical oxygen demand, iron, magnesium, cyanide, and total suspended solids exceeded benchmark concentrations. Benchmark concentrations are not effluent limits, and exceedances are not considered violations of the General Permit.
2. Runoff from RWMC Operations Area (RWMC-MP-4/1):
 - Storm water Description: Runoff from a paved area with office buildings, equipment storage, and landfill entrance.
 - Type of Monitoring: NPDES benchmark monitoring.
 - 2002 Results: Concentrations of chemical oxygen demand, iron, magnesium, and total suspended solids exceeded benchmark concentrations. Benchmark concentrations are not effluent limits, and exceedances are not considered violations of the General Permit.